



CERTIFICATE OF ANALYSIS

Product Human MSC-Derived Neural Stem Cells
Catalog #: SC00A1-NSC

Lot/batch number: 002

Test/Method	Specification	Result
<u>Cell Line Authentication</u>		
PCR (Actin, Cytochrome B, COX1)	Human	Human
Karyotype	Human	Human
<u>Virus Testing</u>		
HBV PCR	Negative	Negative
HCV PCR	Negative	Negative
HIV-1 RNA PCR	Negative	Negative
HIV-2 RNA PCR	Negative	Negative
<u>Mycoplasma Testing</u>		
PCR	Negative	Negative
<u>Performance Testing</u>		
Viability (SC00A1-1) by Propidium iodide	>90%	93%
Nestin Expression by IHC	Pass	Pass
Neural cell differentiation capacity	Pass	Pass

Source of Cells: Human umbilical cord blood.

Date of Cryopreservation: 11/25/2014

Passage Number: 2

This product is intended for *in-vitro* use in research or manufacturing applications only. It's suitability for use in humans or animals have not yet been determined.